

ABSTRACT OF THE DISCLOSURE

An amorphous silicon film is laser irradiated a plural number of times to make the film composed of a plurality of crystal grains while suppressing the formation of protrusions at the boundaries of the adjoining grains to realize a polycrystalline silicon thin film transistor having at least partly therein the clusters of grains, or the aggregates of at least two crystal grains, with preferred orientation in the plane (111), and having high electron mobility of 200 cm²/Vs or above.